

Table 1

Accession Numbers for geminivirus DNA sequences containing the AL2 gene  
(also known as AC2 or C2), which encodes TrAP.



Virus

Accession Number

Abutilon mosiac virus  
Hawaii strain

U51137 (SEQ ID NO. 76)

Abutilon mosaic virus  
West Indies isolate

X15983 (SEQ ID NO. 77)

African cassava mosaic virus  
West Kenyan isolate

J02057 (SEQ ID NO. 78)

African cassava mosaic virus  
Nigerian isolate

X17095 (SEQ ID NO. 79)

Ageratum yellow vein virus

X74516 (SEQ ID NO. 80)

Althea rose enation virus  
Egypt isolate

AF014881 (SEQ ID NO. 81)

Angled luffa leaf curl virus  
Thailand isolate

AF102276 (SEQ ID NO. 82)  
/AF061339 (SEQ ID NO. 83)

Bean dwarf mosaic virus

M88179 (SEQ ID NO. 84)

Bean golden mosaic virus  
Puerto Rico isolate

M10070 (SEQ ID NO. 85)

Bean golden mosaic virus  
Brazil isolate


M88686 (SEQ ID NO. 86)

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Table 1 (con't)

|  |                           |
|--|---------------------------|
| Bean golden mosaic virus<br>Dominican Republic isolate             | L01635 (SEQ ID NO. 87)    |
| Bean golden mosaic virus<br>Guatemala isolate                      | M91604 (SEQ ID NO. 88)    |
| Cabbage leaf curl virus  | U65529 (SEQ ID NO. 89)    |
| Chayote mosaic virus<br>Ibadan (Nigeria) isolate                   | AJ223191 (SEQ ID NO. 90)  |
| Cowpea golden mosaic virus<br>Nsukka (Nigeria) isolate             | AF029217 (SEQ ID NO. 91)  |
| Cotton leaf curl virus<br>Pakistan isolate (clc62)                 | AJ002447 (SEQ ID NO. 92)  |
| Cotton leaf curl virus<br>Pakistan isolate (clc72b)                | AJ002448 (SEQ ID NO. 93)  |
| Cotton leaf curl virus<br>Pakistan isolate (clc806b)               | AJ002449 (SEQ ID NO. 94)  |
| Cotton leaf curl virus<br>Pakistan isolate (clc804a)               | AJ002452 (SEQ ID NO. 95)  |
| Cotton leaf curl virus<br>Pakistan isolate (clc802a)               | AJ002455 (SEQ ID NO. 96)  |
| Cotton leaf curl virus<br>Pakistan isolate (clc26)                 | AJ002458 (SEQ ID NO. 97)  |
| Cotton leaf curl virus<br>Pakistan okra leaf curl isolate (olc311) | AJ002459 (SEQ ID NO. 98)  |
| Havana tomato virus<br>Cuba isolate                                | Y14874 (SEQ ID NO. 99)    |
| Indian cassava mosaic virus  | Z24758 (SEQ ID NO. 100)   |
| Indian mungbean yellow mosaic virus<br>Isolate bg3                 | AF126406 (SEQ ID NO. 101) |
| Ipomoea yellow vein virus<br>Spain isolate                         | AJ132548 (SEQ ID NO. 102) |
| Mungbean yellow mosaic virus<br>Japan isolate                      | D14703 (SEQ ID NO. 103)   |

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|  |                           |
|--|---------------------------|
| Mungbean yellow mosaic virus<br>Thailand isolate                   | AB017341 (SEQ ID NO. 104) |
| Okra yellow vein virus<br>Pakistan isolate (oyvm201)               | AJ002451 (SEQ ID NO. 105) |
| Okra yellow vein virus<br>Pakistan isolate (oyvm301)               | AJ002453 (SEQ ID NO. 106) |
| Papaya yellow mosaic virus   | Y15934 (SEQ ID NO. 107)   |
| Pepper huasteco virus<br>Mexico isolate                            | X70418 (SEQ ID NO. 108)   |
| Potato yellow mosaic virus   | D00940 (SEQ ID NO. 109)   |
| Sida golden mosaic virus<br>Costa Rica isolate                     | X99550 (SEQ ID NO. 110)   |
| Sida golden mosaic virus<br>Honduras isolate                       | Y11097 (SEQ ID NO. 111)   |
| Sida golden mosaic virus<br>Honduras isolate (yellow vein)         | Y11099 (SEQ ID NO. 112)   |
| Sida golden mosaic virus<br>Florida isolate                        | AF049336 (SEQ ID NO. 113) |
| Squash leaf curl virus<br>Extended host range isolate (California) | M38183 (SEQ ID NO. 114)   |
| Squash leaf curl virus<br>China isolate                            | AB027465 (SEQ ID NO. 115) |
| Taino tomato mottle virus<br>Cuba isolate                          | AF012300 (SEQ ID NO. 116) |
| Texas pepper virus<br>Tamuilipas (Mexico) isolate                  | U57457 (SEQ ID NO. 117)   |
| Tomato golden mosaic virus<br>Brazil isolate                       | K02029 (SEQ ID NO. 118)   |
| Tomato leaf crumple virus<br>Mexico isolate                        | AF101476 (SEQ ID NO. 119) |
| Tomato mottle virus<br>Florida isolate                             | L14460 (SEQ ID NO. 120)   |

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|---|---|
| Tomato leaf curl virus<br>Australia isolate             | S53251 (SEQ ID NO. 121)                             |
| Tomato leaf curl virus<br>Australia isolate-D1          | AF084006 (SEQ ID NO. 122)                           |
| Tomato leaf curl virus<br>Australia isolate-D2          | AF084007 (SEQ ID NO. 123)                           |
| Tomato leaf curl virus<br>New Delhi-1 (India) isolate   | U15015 (SEQ ID NO. 124)<br>/U15017 (SEQ ID NO. 125) |
| Tomato leaf curl virus<br>New Dehli-2 (India) isolate   | U15016 (SEQ ID NO. 126)                             |
| Tomato leaf curl virus<br>India isolate                 | Z48182 (SEQ ID NO. 127)                             |
| Tomato leaf curl virus<br>Bangalor-1 isolate            | NC 003891 (SEQ ID NO.<br>128)                       |
| Tomato leaf curl virus<br>Bangalor-2 isolate            | U38239 (SEQ ID NO. 129)                             |
| Tomato leaf curl virus<br>Senegal isolate               | D88800 (SEQ ID NO. 130)                             |
| Tomato leaf curl virus<br>India isolate                 | Y16421 (SEQ ID NO. 131)                             |
| Tomato leaf curl virus<br>Panama isolate                | Y15034 (SEQ ID NO. 132)                             |
| Tomato yellow leaf curl virus<br>Israel isolate         | X15656 (SEQ ID NO. 133)                             |
| Tomato yellow leaf curl virus<br>Israel-2 isolate       | X76319 (SEQ ID NO. 134)                             |
| Tomato yellow leaf curl virus<br>Sardinia isolate       | X61153 (SEQ ID NO. 135)                             |
| Tomato yellow leaf curl virus<br>Sicily isolate         | Z28390 (SEQ ID NO. 136)                             |
| Tomato yellow leaf curl virus<br>Murcia (Spain) isolate | Z25751 (SEQ ID NO. 137)                             |

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|   |                           |
|---|---------------------------|
| Tomato yellow leaf curl virus<br>Almeria (Spain) isolate    | L27708 (SEQ ID NO. 138)   |
| Tomato yellow leaf curl virus<br>Portugal isolate           | AF105975 (SEQ ID NO. 139) |
| Tomato yellow leaf curl virus<br>Spain isolate (Sp7297)     | AF071228 (SEQ ID NO. 140) |
| Tomato yellow leaf curl virus<br>Spain isolate              | AJ223505 (SEQ ID NO. 141) |
| Tomato yellow leaf curl virus<br>Dominican Republic isolate | AF024715 (SEQ ID NO. 142) |
| Tomato yellow leaf curl virus<br>Iran isolate               | AJ132711 (SEQ ID NO. 143) |
| Tomato yellow leaf curl virus<br>Shizuoka (Japan) isolate   | AB014346 (SEQ ID NO. 144) |
| Tomato yellow leaf curl virus<br>Aichi (Japan) isolate      | AB014347 (SEQ ID NO. 145) |
| Tomato yellow leaf curl virus<br>Taiwan isolate             | U88692 (SEQ ID NO. 146)   |
| Vigna mungo yellow mosaic virus<br>India isolate            | AJ132575 (SEQ ID NO. 147) |

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